

IN THE CLAIMS:

1. (Previously Presented) A ball pivot of a ball and socket joint for a motor vehicle, the ball pivot comprising:

a pivot;

a joint ball connected to said pivot;

5 a magnet having a jacket surface, the ball pivot having a recess with said magnet arranged therein, an intermediate space, which is filled with a nonmagnetic material to fix said magnet, is formed between said jacket surface of said magnet and an inner wall of said recess.

2. (Previously Presented) A ball pivot in accordance with claim 1, wherein said magnet has front sides and is directly in contact by one of said front sides with said ball pivot.

3. (Previously Presented) A ball pivot in accordance with claim 1, wherein said magnet is cylindrical or truncated cone-shaped.

4. (Previously Presented) A ball pivot in accordance with claim 1, wherein said recess is cylindrical.

5. (Previously Presented) A ball pivot in accordance with claim 1, wherein said magnet is arranged in a ring made of a nonmagnetic material.

6. (Previously Presented) A ball pivot in accordance with claim 5, wherein said ring is bonded in said recess together with said magnet.

7. (Previously Presented) A ball pivot in accordance with claim 1, wherein said magnet is embedded in plastic.

8. (Previously Presented) A ball pivot in accordance with claim 7, wherein the plastic is injected onto said magnet by injection molding.

9. (Previously Presented) A ball pivot in accordance with claim 7, wherein a body formed by said magnet and said plastic is pressed into said recess.

10. (Previously Presented) A ball pivot in accordance with claim 9, wherein said body formed by said magnet and said plastic is bonded in said recess.

11. (Previously Presented) A ball pivot in accordance with claim 1, wherein said magnet is inserted into a stamped and bent part made of a nonmagnetic material.

12. (Previously Presented) A ball pivot in accordance with claim 11, wherein said stamped and bent part consists of spring bronze.

13. (Previously Presented) A ball pivot in accordance with claim 11, wherein said stamped and bent part is pressed together with said magnet into said recess.

14. (Previously Presented) A ball pivot in accordance with claim 13, wherein said stamped and bent part is elastically supported against said inner wall of said recess.

15. (Previously Presented) A ball pivot in accordance with claim 11, wherein said magnet is pressed into said stamped and bent part.

16. (Previously Presented) A ball pivot in accordance with claim 11, wherein said stamped and bent part has a ring-shaped design and has two concentric legs and a web connecting these to one another.

17. (Previously Presented) A ball pivot in accordance with claim 16, wherein said inner leg is embedded in a plastic sleeve.

18. (Previously Presented) A ball pivot in accordance with claim 17, wherein said magnet is arranged in said plastic sleeve.

19. (Previously Presented) A ball pivot in accordance with claim 1, wherein said ball pivot consists of a ferromagnetic material, especially a ferromagnetic steel, at least in the area

of said recess.

20. (Previously Presented) A ball pivot in accordance with claim 19, wherein the ball pivot consists entirely of a ferromagnetic material.

21. (Previously Presented) A ball and socket joint for a motor vehicle, the ball and socket joint comprising:

a ball and socket joint housing;

a ball pivot, which is mounted rotatably and pivotably in said housing and has a pivot  
5 and a joint ball connected thereto, said ball pivot having a recess; and

a magnet arranged in said recess, wherein an intermediate space, which is filled with a nonmagnetic material for fixing said magnet, is formed between a jacket surface of said magnet and an inner wall of said recess.

22. (New) A ball pivot in accordance with claim 1, wherein:

said magnet projects out from a surface of said non-magnetic material.

23. (New) A ball pivot in accordance with claim 1, wherein:

said nonmagnetic material is completely shaped as a hollow cylinder.

24. (New) A ball pivot in accordance with claim 1, wherein:

a maximal outer diameter of said nonmagnetic material is equal to or less than said diameter of said recess.

25. (New) A ball pivot in accordance with claim 24, wherein:

said ball pivot is formed of a ferromagnetic material in an area of said recess.

26. (New) A ball pivot of a ball and socket joint for a motor vehicle, the ball pivot comprising:

a pivot;

a joint ball connected to said pivot;

5 a magnet having a jacket surface, the ball pivot having a recess with said magnet arranged therein, an intermediate space, which is filled with a nonmagnetic material to fix said magnet, is formed between said jacket surface of said magnet and an inner wall of said recess, said nonmagnetic material is completely arranged within said recess.

27. (New) A ball pivot in accordance with claim 26, wherein:

said magnet projects out from a surface of said non-magnetic material.

28. (New) A ball pivot in accordance with claim 26, wherein:

said nonmagnetic material is completely shaped as a hollow cylinder.

29. (New) A ball pivot in accordance with claim 26, wherein:

a maximal outer diameter of said nonmagnetic material is equal to or less than said diameter of said recess.